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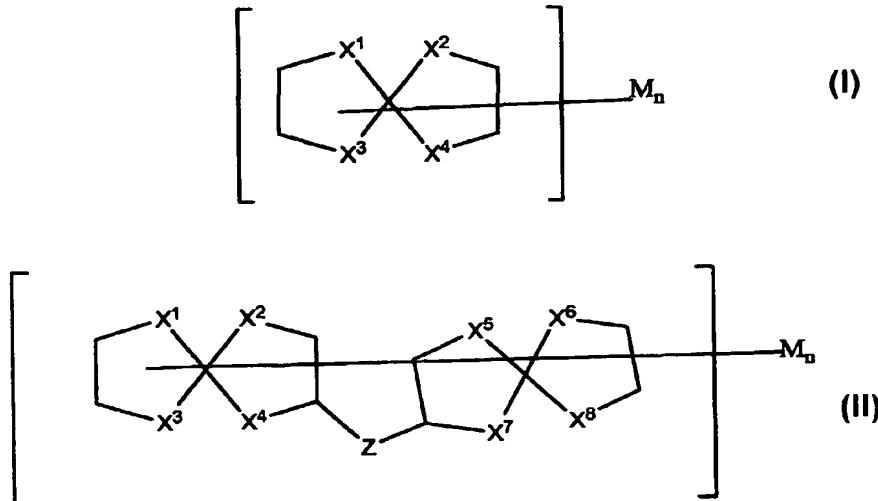
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- (71) Applicant (for all designated States except US): ES-SILOR INTERNATIONAL COMPAGNIE GENERALE D'OPTIQUE [FR/FR]; 147, rue de Paris, F-94227 Charenton (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JALLOULI, Aref [US/US]; 13433 104th Avenue North, Largo, FL 33774 (US). RICKWOOD, Martin [US/US]; 303 Rabbit Run, Clarks Green, PA 18411 (US). MORGAN, Kimberly [US/US]; 720 Church Street, Moosic, PA 18507 (US). WANIGATUNGA, Sirisoma [US/US]; 13863 Kimberly Drive, Largo, FL 33774 (US).
- (74) Agents: CATHERINE, Alain et al.; Cabinet Harle & Phephil, 7, rue de Madrid, F-75008 Paris (FR).
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[Continued on next page]

(54) Title: SPIROTETRATHiocarbamates AND SPIROOXOTHiocarbamates



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(57) Abstract: Spirotetrathiocarbamates (STOCs) or oxa substituted compounds (SOTOCs) of Formula (I): (Formula (I)) or bis-STOC or bisSOTOC compounds of Formula (II): (Formula (II)) wherein X¹, X², X³, X⁴, X⁵, X⁶, X⁷, and X⁸, are independently O or S; and preferably at least two and up to all four of X¹, X², X³ and X⁴, and at least two and up to all four of X⁵, X⁶, X⁷, and X⁸ are sulfur; Z is -C_mR^{2m} wherein m = 1 to 4; -C(R²)₂SC(R²)₂, C(R²)₂SSC(R²)₂, or -C(R²)₂OC(R²)₂; n is from 0 to 4; M is selected from CH₂C1, CH₂SC(O)R¹, CH₂SC(S)R¹, CH₂S(CH₂CH₂S)qH wherein q is 0, 1 or 2; -CR²=CH₂, -CH₂OC(O)CR²=CH₂, CH₂N=C=S, CH₂N=C=O, CH₂NR²H, CH₂OH, CH₂SCH₂CH₂CR²=CH₂, phenyl, C(R²) phenyl, furan, thiophene, C₃-C₆ cycloalkyl, C₃-C₆ heretocyclics, thiol, H, (III) or (IV) wherein A is S, O or phenyl; x is 0 or 1; R¹ is C₁-C₂₂ alkyl; and R² is H or C₁-C₂₂ alkyl have excellent optical properties. Methods for preparing these compositions and optical lenses prepared from the compounds are also provided.



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